#### UNITED STATES DEPARTMENT OF AGRICULTURE

## FEDERAL HORTICULTURAL BOARD

WASHINGTON, D. C.

#### LETTER OF INFORMATION No. 24

May 15, 1917.

DEAR SIR: Five important avocado insects from Guatemala are listed in this Letter of Information, viz, an undescribed weevil (Conotrachelus sp.) and four coccids, Aspidiotus subsimilis, Chrysomphalus scutiformis, Lepidosaphes mimosarum, and an unrecognized soft scale of the subfamily Coccinæ. The weevil was taken in seed, and, judging from the numerous deep tunnels made by the larvæ, it is no doubt fully as destructive to the seed as is the avocado weevil. The soft scale noted above is an unusually large one which secretes honeydew copiously, and would doubtless be a very injurious insect if established on avocado trees in this country.

The mango weevil (Sternochetus mangiferæ) in mango seeds from India, and the mango scale (Coccus mangiferæ) on plants from Cuba, represent two very important mango pests intercepted since the last Letter of Information was issued.

The bay psylla (*Trioza alacris*) was collected on a shipment of bay trees from Belgium. This insect appears to be established in but two localities in the United States; viz, California and Florida.

Numerous coccids have been taken, the more important of which are *Parlatoria chinensis* on *Pyrus sinensis* from China; *Targionia sàcchari* on *Saccharum* from Cuba, *Lecanium bituber-culatum* on *Malus* from Holland, and *Orthezia cataphracta* on *Iris setosa* from Newfoundland.

A single egg mass of the gipsy moth was collected in a shipment of nursery stock from Belgium.

Leptobyrsa explanata, referred to in previous Letters of Information, has been reduced to a synonym of Leptobyrsa rhododendri.

Yours, very truly,

C. L. MARLATT, Chairman of Board.

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## LIST, BY COUNTRIES, OF PESTS COLLECTED

[The number in parenthesis following name of host indicates the number of times reported.]

Albizzia fastigiata, seeds of (1).
Maiz cuarenton (1).
Schinopsis lorentzi (1).
Asplenium diversifolium (1), Davallia fijiensis ornata (1).
Pineapple (2).
Rosa (1).
Atriplex semibaccata (1). Saccharum officinarum (sugar-cane cut-
tings) (1). Atriplex nummularia (1).
Demos anning (1)
Persea azorica (1).
•
Coconut palm (1). Do.
D0.
Azalea (21), bay (1), rhododendron (1).
Bay (16). Bay (1), palm (22).
Lilac (1).
Palm (2).
Aspidistra (2), palm (4). Bay (19).
Azalea (68).
Aspidistra (11).
Azalea (1).
Palm (1). Azalea (6).
Azalea (1).
?(1).
Palm (1).
Bay (1). Palm (1).
Azalea (6). Azalea (1).
Azalea (1).
Bay (1).
Do.
Azalea (1). Azalea (193), evergreen shrubs (2), hor-
tensia $(1)$ . Palm $(2)$ .
Azalea (4), rhododendron (1).
Azalea (1).
Salix (1).

Country of origin and name of pest.	Host.
BRAZIL.	
Insects: Cerataphis lataniæ (palm aphis) Diaspis boisduvalii (scale insect) Homœogamia brasiliana (roach)	Orchid (2).
Liopus sp. (Cerambycidæ)  Megalomyrmex n. sp. (ant)  Parlatoria proteus (scale insect)	Brazil nut (1). Orchid (1).
Periplaneta sp. (roach). Prenolepis longicornis (ant). Pseudococcus adonidum (long-tailed mealy bug).	Orchid (2). Orchid (1). Do.
Pseudococcus sp. (mealy bug)	Chayota edulis (1), orchid (1). Orchid (1).
Disease: Diplodia sp	Do.
BRITISH GUIANA. Insects:	
Cerataphis lataniæ (palm aphis)	Palm (1). Do.
Disease: '	
Diplodia sp	Chayota edulis (1).
CANADA.	
Diseases: Coniothyrium sp Oospora scabies (common scab) Phytophthora infestans	Pyrus communis (3). Irish potato (1). Do.
CANAL ZONE.	
Insects: Asterolecanium aureum (scale insect) Chrysomphalus perseæ (scale insect) Conchaspis angræci (scale insect) Monomorium carbonarium F. Smith subsp. ebeninum (ant)	Orchid (2).   Orchid (1).
Disease: Colletotrichum glœosporioides	Do.
CANARY ISLANDS.	to the state of th
Insect: Diaspis carueli (juniper scale)	Juniperus cedrus, Palm var. (1).
CEYLON.	
Disease: Lasiodiplodia sp	Garcinia mangostana (Mangosteens) (1).
CHILE.	• 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Disease: Diplodia sp	Persea (Avocado) (1).
CHINA. Insects:	
Bruchus chinensis (Bruchidæ) Eriococcus sp. (scale insect) Lepidosaphes beckii (purple scale) Lepidosaphes sp. (scale insect) Parlatoria chinensis (scale insect) Pyralid larva Sciara sp. (fungus gnat) Tyroglyphus cocciphilus (mite)	Diospyros (1). Pyrus sinensis (1). Rice plant (1).
Diseases: Lasiodiplodia sp	Litchi chinensis (2).
Ustilago sp	Cynodon dactylon (1).

	Host.
COLOMBIA.	
nsects:	
Aspidiotus destructor (scale insect)	Coconut palm (1).
Blaberus sp. (roach)	Orchid (1).
Blattella sp. (roach)	Do.
Chrysomphalus perseæ (scale insect)	Orchid (3).
Chrysomphalus personatus (masked scale).	Orchid (1).
Cyphomyrmex salvini Forel, new var. (ant)	Do.
Cypholistrials salvini Forei, new var. (ant).	Orchid (6).
Diaspis boisduvalii (scale insect).	Orchid (6).
Eurycipidia splendens (Miridæ)	Orchid (3).
Gryllid of subfamily Mogisoplistinæ.	Orchid (1).
Iridomyrmex iniquus Mayr., var. nigellus Emery (ant)	Do.
Mecistorhinus melanoleucus (Pentatomidæ)	Do.
Periplaneta sp. (roach)	Orchid (2).
Plœariola sp. (Emesidæ)	Orchid (1).
Prenolepis longicornis (ant)	Orchid (3).
Prenolepis sp. (ant)	Orchid (1).
Pseudococcus sp. (mealy bug)	Do.
Pyralidæ, subfamily Phycitinæ.	Do.
r yranuæ, subranny i nyetunæ	Line is all towns (1)
Silvanus advena (Cucujidæ)	Licania platypus (1).
Silvanus signatus (Cucujidæ)	Orchid (1).
Tenthecoris bicolor (Miridæ)	Orchid (3).
Tyroglyphus sp. (mite)	Avocado seeds (1).
Wasmannia auropunctata (ant)	Orchid (7).
COSTA RICA.	
nsects:	
Balaninus sp. (Curculionidæ)	"Fruta de paya" seeds (1).
Diaspis boisduvalii (scale insect).	Orchid (1).
Hemichionaspis minor (scale insect)	Hibiscus cuttings (1).
Pseudococcus sp. (mealy bug)	Bunchosia sp. (1).
Diseases: Fusarium sp	S. C.
Fusarium sp.	Maranta sp. (1).
	Downilone emerille (1)
Phoma sp	Dormilona amarilla (1).
Phoma sp	Dominona amarina (1).
Phoma sp	Dominona amarina (1).
Phoma sp	
Phoma sp	Avocado seeds (1).
Phoma sp	Avocado seeds (1).
Phoma sp.  CUBA.  Insects: Caulophilus latinasus (Curculionidæ). Chionaspis sp. (scale insect).	Avocado seeds (1). Royal palm (1).
CUBA.  Insects: Caulophilus latinasus (Curculionidæ) Chionaspis sp. (scale insect) Chrysomphalus sp. (scale insect)	Avocado seeds (1). Royal palm (1). Roystonea regia (seeds of) (1).
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CUBA.  Insects: Caulophilus latinasus (Curculionidæ). Chionaspis sp. (scale insect). Chrysomphalus sp. (scale insect). Coccus mangiteræ (mango scale). Diaspis boisduvalii (scale insect). Hemichionaspis aspidistræ (aspidistra scale). Hemichionaspis minor (scale insect). Hermetia illucens (Stratiomyidæ). Lepidosaphes sp. (scale insect). Pheidole megacephala (ant). Pseudococcus bromeliæ (pineapple mealy bug). Rhizoglyphus hyacinthi (bulb mite). Stephanoderes sp. (Scolytidæ). Targionia sacchari (scale insect). Tetranychus sexmaculatus (six-spotted mite). Diseases: Cercospora sp. Colletotrichum glæosporioides.  Diplodia sp.	Avocado seeds (1). Royal palm (1). Roystonea regia (seeds of) (1). Mango (1). Palm (1). Royal palm (1). Roystonea regia (seeds of) (1). Avocado seeds (1). Croton (1). Pineapple plants (1). Pineapple (1). Avocado seeds (1). Erythrina corallodendron (seed) (1). Saccharum (1). Pineapple slips (1). Tetrastigma harmandi (1). Persea gratissima (avocado seed) (1). Persea (avocado) (1).
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Cuba.  (Insects: Caulophilus latinasus (Curculionidæ). Chionaspis sp. (scale insect). Chrysomphalus sp. (scale insect). Coccus mangiferæ (mango scale) Diaspis boisduvalii (scale insect). Hemichionaspis aspidistræ (aspidistra scale). Hemichionaspis minor (scale insect) Hermetia illucens (Stratiomyidæ). Lepidosaphes sp. (scale insect). Pheidole megacephala (ant). Pseudococcus bromeliæ (pineapple mealy bug). Rhizoglyphus hyacinthi (bulb mite). Stephanoderes sp. (Scolytidæ). Targionia sacchari (scale insect). Tetranychus sexmaculatus (six-spotted mite). Diseases: Cercospora sp. Colletotrichum glœosporioides.  Diplodia sp.  DENMARK.  Insects: Archips sp. (Tortricidæ) (eggs of).	Avocado seeds (1). Royal palm (1). Roystonea regia (seeds of) (1). Mango (1). Royal palm (1). Roystonea regia (seeds of) (1). Avocado seeds (1). Croton (1). Pineapple plants (1). Pineapple (1). Avocado seeds (1). Erythrina corallodendron (seed) (1). Saccharum (1). Pineapple slips (1). Tetrastigma harmandi (1). Persea gratissima (avocado seed) (1). Persea gratissima (avocado seed) (1). Persea gratissima (avocado seed) (1).
CUBA.  Insects: Caulophilus latinasus (Curculionidæ). Chionaspis sp. (scale insect). Chrysomphalus sp. (scale insect). Coccus mangiteræ (mango scale). Diaspis boisduvalii (scale insect). Hemichionaspis aspidistræ (aspidistra scale). Hemichionaspis minor (scale insect). Hermetia illucens (Stratiomyidæ). Lepidosaphes sp. (scale insect). Pheidole megacephala (ant). Pseudococcus bromeliæ (pineapple mealy bug). Rhizoglyphus hyacinthi (bulb mite). Stephanoderes sp. (Scolytidæ). Targionia sacchari (scale insect). Tetranychus sexmaculatus (six-spotted mite). Diseases: Cercospora sp. Colletotrichum glæosporioides.  Diplodia sp.	Avocado seeds (1). Royal palm (1). Roystonea regia (seeds of) (1). Mango (1). Palm (1). Royal palm (1). Royal palm (1). Roystonea regia (seeds of) (1). Avocado seeds (1). Croton (1). Pineapple plants (1). Pineapple (1). Avocado seeds (1). Erythrina corallodendron (seed) (1). Saccharum (1). Pineapple slips (1). Tetrastigma harmandi (1). Persea gratissima (avocado seed) (1). Persea (avocado), (1). Persea gratissima (avocado seed) (1).

DOMINICA, BRITISH WEST INDIES.  Insect: Coccus hesperidum (soft brown scale)  DOMINICAN REPUBLIC.  Insect: Pseudococcus citri (citrus mealy bug)  Diseases: Botrytis sp.	Mangosteen fruits (1).  Chayota edulis (1).
Coccus hesperidum (soft brown scale)  DOMINICAN REPUBLIC.  Insect: Pseudococcus citri (citrus mealy bug)	
Insect: Pseudococcus citri (citrus mealy bug)	Chayota edulis (1).
Insect: Pseudococcus citri (citrus mealy bug)	Chayota edulis (1).
Diseases:	chaj cua cauno (1).
Botrytis sp.	
Botrytis sp. Colletotrichum glœosporioides	Do. Chayota edulis (2).
Diplodina sp	Chayota edulis (3).
Fusarium sp	Chayota edulis (1).
DUTCH GUIANA.	
Diseases: Colletotrichum glœosporioides	Citrus (grapefruit fruits) (1).
Exanthema.	Do.
ECUADOR.	
nsects:	
Diaspis boisduvalii (scale insect)	Palm seeds (1).
Uropoda sp. (mite)	Do.
Cercospora sp	Phytelephas (sprouted palm seed) (1).
EGYPT.	
Insects: Chrysomphalus ficus (Florida red scale)	Terminalia arjuna (1). Genista retama (1).
ENGLAND.	
nsects:	Harmanthia (1)
Aleyrodes sp. (white fly) Aspidiotus hederæ (ivy scale)	Haemanthia (1). Orchid (1), palm (4).
Aulacaspis rosæ (rose scale)	Rosa pomifera (1), Rosa rubrifolia (1).
Bryobia pratensis (clover mite) Chrysomphalus dictyospermi (scale insect).	Palm (1).
Diaspis boisduvalii (scale insect)	Orchid plants (1).
Emphytus cinctus (sawfly) (larvae)	Rose (1). Palm (1).
Diseases:	1 am (1).
Bacterium tumefaciens (crown gall) Sclerotinia fructigena.	Rose stocks (2). Peach trees (1).
FRANCE.	
Insects:	7. 7 (2) 35
Apatela auricoma (dagger moth) (pupa)	Birch (1), Manetti stocks (1). Palm (2).
Aulacaspis rosæ (rose scale)	Manetti stocks (1).
Balaninus sp. (Curculionidæ)	Quercus ilex seeds (1).
Chrysomphalus dictyospermi (scale insect)	Palm (1).   Do.
Lecanium sp. (scale insect)	Ilex (1).
Pseudococcus sp. (mealy bug)	Palm (1).
Bacterium tumefaciens (crown gall)	Manetti stocks (1).
Botrytis spFrankia alni	Canæna (1), Yucca sp. (2). Elæagnus sp. (on roots) (1).
GERMANY.	
Disease: Sclerotium sp	Carduus marianus (1).
GOLD COAST, AFRICA.  Disease:	
Disease: Lasiodiplodia sp	Dumoria heckeli (seed) (1).
100936—17——2	

Country of origin and name of pest.	Host.
GREECE.	
Disease:	
Tilletia tritici	Wheat (1).
GUATEMALA.	
nsects:	
Aspidiotus camelliæ (greedy scale)	Anona cherimoya (1).
Aspidiotus lataniæ (scale insect)	Avocado bud wood (1), Persea sp. (1).
Aspidiotus subsimilis (scale insect)	Avocado (1), Persea americana (1).
Aspidiotus sp. (scale insect)	Avocado (2), Persea americana (1).
Calandra oryza (rice weevil)	Zea mays seed (1).
Ceroplastes sp. (scale insect)	Avocado (1).
Chrysomphalus dictyospermi (scale insect)	Persea americana (1).
Chrysomphalus perseæ (scale insect)	Orchid (1).
Chrysomphalus personatus (masked scale)	Persea americana (2).
Chrysomphalus scutiformis (scale insect)	Avocado (1).
Coccine	
Coccotrypes sp. (Scolytidæ)	Pacaya palm (1).
Conotrachelus n. sp. (Curculionidæ)	Avocado (1).
Diaspis boisduvalii (scale insect)	Persea americana (1).
Diagnis sp. (scale insect)	Avocado (2).
Diaspis sp. (scale insect). Lepidosaphes mimosarum (scale insect).	Anona cherimova (1).
Mordellistena n. sp. (Mordellidae)	Nephrolepis sp. (1).
Parallelodiplosis cattleyæ (Cattleya midge)	Orchid (1).
Periplaneta australasiæ (Australian roach)	Avocado seed (1).
Pheidole anastasii var. cellarum (ant)	
Provide and stability var. Centarum (ant)	······ ? (1). ····· Orchid (1).
Pseudoccus sp. (mealy bug)	Orema (1).
Pyralid larva	Avocado (1).
Pyralid larva	Carica papaya (1).
Sciara sp. (Mycetophindæ)	
Skalistes vidua (Forficulidæ)	
Wasmannia auropunctata (ant):	Nephrolepis sp. (1).
Diseases: Colletotrichum glœosporioides	7
Contentification greeosportordes	Persea americana (1), Persea gratissim
	(avocado seed) (1), Persea (avocado buc
Dinladia naraana	wood) (1), Persea sp. (1).
Diplodia perseana. Fusarium sp.	
Pestalozzia sp.	Do.
r estatozzta sp	Achradelpha viridis (1).
( HAITI,	
menots:	
Cardiastethus elegans (Anthocoridæ)	Cotton seed (1).
Dysdercus andreæ (Pyrrhocoridæ)	Cotton seed and bolls (1).
HAWAII.	
Insects:	
Fiorinia fioriniæ (scale insect)	
Howardia biclavis (mining scale)	
)isease.	
Glœosporium clausenæ	Clausena wampi (seeds) (1).
	Clausella wamps (boods) (1).
HOLLAND.	
nsects:	
nsects: Acarina eggs	Magnolia (1).
Agelastica alni (Chrysomelid).	Boxwood (3).
Agelastica alni (Chrysomelid). Aleyrodes sp. (white fly)	Azalea (4), rhododendron (1).
Aphis tulipæ	Iris nigricans (1).
Aphis tulipæ Aphodius fimetarius (Scarabaeidæ)	Rhododendron (1).
Archips sp. (Tortricidæ) (empty egg mass)	Do
Aspidiotus hederæ (ivv scale)	Palm (9).
Aspidiotus hederæ (ivy scale). Bryobia pratensis (clover mite).	Laburnum (1), Malus (1).
Bryobia sp. (mite)	Cytisus (1).
Bryobia sp. (mite)	Palm (1).
Chrysopa sp. (Chrysopidæ).	2 (1)
	·····   i \ E/:
Coccus hesperidum (soft brown scale)	Bar (9) hally (1)

Gracilaria syringella (Tineidae)	Host.
Elaterid (wireworm)	
Gracilaria sp. (leaf miner)	(0) 1 1 1 (1) (1)
Gracilaria sp. (leaf miner)	ea (2), rhododendron (1), rose (1).
Gracilaria sp. (leaf miner)	: (1) <b>.</b>
Gracilaria sp. (leaf miner)	эа (3).
Lecanium bituberculatum (scale insect)	ea (1).
Lecanium bituberculatum (scale insect)	distrá (3).
Lecanium sp. (scale insect)	s (1)
Malacosoma neustria (Lasiocampidae) (egg mass)	
Malacosoma neustria (Lasiocampidae) (egg mass)	good (69) evergreen seedlings (1)
Malacosoma neustria (Lasiocampidae) (egg mass)	vood (69), evergreen seedlings (1), lus (1), rhododendron (1), ? (1).
Miridæ	ittle (1), induduction (1), . (1).
Monarthropalpus buxi (box leaf miner)	
Notolophus antiqua (European tussock moth) (egg masses). Azalei Jun (1), Parlatoria proteus (scale insect). Palm (1), Phytomyza aquifolii (Dipterous leaf miner). Holly Pontia rapæ (imported cabbage worm) (pupa). Azalei Pseudococcus pseudonipæ (mealy bug). Pseudococcus sp. (mealy bug). Bay (1) Psychidæ. Pseudococcus sp. (mealy bug). Bay (2) Psychidæ. Psylla buxi (box psylla) (egg stage). Boxwillia buxi (box psylla) (egg stage). Boxwillia Bacterium tumefaciens (crown gall). Azalei Hydrs (1), Botrytis parasitica (Sclerotium tuliparum). Narcis Botrytis sp. sclerotia. Aucul Botrytis sp. (sclerotia). Colletotrichum sp. Lilac Botrytis sp. (sclerotia). Hydrs (Colletotrichum sp. Pigeor Exobasidium sp. Azalei Fusarium sp. Cytist Gleesporium sp. Rhode (1) Pestalozzia guepini. Azalei Pestalozzia sp. Phyllosticta	green shrubs (1).
Parlatoria proteus (scale insect)	green surubs (1).
Parlatoria proteus (scale insect)	ea (3), Cratægus (1), Hydrangea (1), niperus (1), Lilac (1), Prunus pissardi
Phytomyzā aquifolii (Dipterous leaf miner) Holly Pontia rapæ (imported cabbage worm) (pupa) Azale Porthesia similis (Arctiidæ) Lilac Pseudococcus pseudonipæ (mealy bug) Palm Pseudococcus sp. (mealy bug) Bay ( Psychidæ Ralm Psylla buxi (box psylla) (egg stage) Boxw Diseases: Bacterium tumefaciens (crown gall) Azale Botrytis cinerea Hydra Botrytis parasitica (Sclerotium tuliparum) Narcia Botrytis sp. (sclerotia Aucul dro: Botrytis sp. (sclerotia) Hydra Colletotrichum sp. Pigeoi Exobasidium sp. Pigeoi Exobasidium sp. Pigeoi Glœosporium sp. Golorotia Azale Glwesporium sp. Glomerella cingulata Glymnosporangium sp. Pestalozzia guepini Azale Pestalozzia guepini Azale Pestalozzia sp. Hodd Phoma sp. Labur Phyllosticta sp. Boxw Pitya cupressa Junip Septoria hydrangææ Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Tubercularia vulgaris Tubercularia vulgaris Tubercularia vulgaris Verticillium buxi Boxw Volutella buxi Honduras  Insect: Solenopsis parva (ant) Dolicl Bruchus sp. (Bruchidæ) Dolicl Bruchus sp. (Bruchidæ)	rose(12).
Phytomyzā aquifolii (Dipterous leaf miner) Holly Pontia rapæ (imported cabbage worm) (pupa) Azale Porthesia similis (Arctiidæ) Lilac Pseudococcus pseudonipæ (mealy bug) Palm Pseudococcus sp. (mealy bug) Bay ( Psychidæ Ralm Psylla buxi (box psylla) (egg stage) Boxw Diseases: Bacterium tumefaciens (crown gall) Azale Botrytis cinerea Hydra Botrytis parasitica (Sclerotium tuliparum) Narcia Botrytis sp. (sclerotia Aucul dro: Botrytis sp. (sclerotia) Hydra Colletotrichum sp. Pigeoi Exobasidium sp. Pigeoi Exobasidium sp. Pigeoi Glœosporium sp. Golorotia Azale Glwesporium sp. Glomerella cingulata Glymnosporangium sp. Pestalozzia guepini Azale Pestalozzia guepini Azale Pestalozzia sp. Hodd Phoma sp. Labur Phyllosticta sp. Boxw Pitya cupressa Junip Septoria hydrangææ Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Tubercularia vulgaris Tubercularia vulgaris Tubercularia vulgaris Verticillium buxi Boxw Volutella buxi Honduras  Insect: Solenopsis parva (ant) Dolicl Bruchus sp. (Bruchidæ) Dolicl Bruchus sp. (Bruchidæ)	(1).
Pontia rapse (imported cabbage worm) (pupa)	7 (3)
Pseudococcus pseudonipæ (mealy bug). Palm Pseudococcus sp. (mealy bug). Bay ( Psychidæ. Kalm: Psylla buxi (box psylla) (egg stage). Boxw Diseases: Bacterium tumefaciens (crown gall). Azalee Botrytis cinerea. Hydr.  Botrytis parasitica (Sclerotium tuliparum). Narcis Botrytis sp. Liliac Botrytis sp. Liliac Botrytis sp. Liliac Botrytis sp. Liliac Botrytis sp. (sclerotia). Hydra Colletotrichum sp. Pigeoi Exobasidium sp. Azalee Exobasidium sp. Cytist Glœosporium sp. Boxw Glomerella cingulata. Aucul Gymnosporangium sp. (1). Pestalozzia guepini Azalee Pestalozzia guepini Azalee Pestalozzia guepini Azalee Phoma sp. Labur Phyllosticta sp. Labur Phyllosticta sp. Labur Pitya cupressa Junip Septoria hydrangeæ Hydra Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Liliac Tubercularia sp. Wistau Verticillium buxi Boxw Volutella buxi Boxw Volutella buxi Boxw Volutella buxi Dolicl Bruchus sp. (Bruchidæ). Dolicl Bruchus sp. (Bruchidæ). Dolicl Bruchus sp. (Bruchidæ)	99. (1)
Pseudococcus pseudonipæ (mealy bug). Palm Pseudococcus sp. (mealy bug). Bay ( Psychidæ. Kalm: Psylla buxi (box psylla) (egg stage). Boxw Diseases: Bacterium tumefaciens (crown gall). Azalee Botrytis cinerea. Hydr.  Botrytis parasitica (Sclerotium tuliparum). Narcis Botrytis sp. Liliac Botrytis sp. Liliac Botrytis sp. Liliac Botrytis sp. Liliac Botrytis sp. (sclerotia). Hydra Colletotrichum sp. Pigeoi Exobasidium sp. Azalee Exobasidium sp. Cytist Glœosporium sp. Boxw Glomerella cingulata. Aucul Gymnosporangium sp. (1). Pestalozzia guepini Azalee Pestalozzia guepini Azalee Pestalozzia guepini Azalee Phoma sp. Labur Phyllosticta sp. Labur Phyllosticta sp. Labur Pitya cupressa Junip Septoria hydrangeæ Hydra Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Liliac Tubercularia sp. Wistau Verticillium buxi Boxw Volutella buxi Boxw Volutella buxi Boxw Volutella buxi Dolicl Bruchus sp. (Bruchidæ). Dolicl Bruchus sp. (Bruchidæ). Dolicl Bruchus sp. (Bruchidæ)	(1) rose (1)
Pseudococcus sp. (mealy bug) Psychidæ Psylla buxi (box psylla) (egg stage) Diseases: Bacterium tumefaciens (crown gall) Botrytis cinerea Botrytis parasitica (Sclerotium tuliparum) Botrytis sp. (sclerotia) Botrytis sp. (sc	(1), 1000 (1).
Pseudococcus sp. (mealy bug) Psychidæ Psylla buxi (box psylla) (egg stage) Diseases: Bacterium tumefaciens (crown gall) Botrytis cinerea Botrytis parasitica (Sclerotium tuliparum) Botrytis sp. (sclerotia) Botrytis sp. (sc	( <del>4</del> ).
Diseases:  Bacterium tumefaciens (crown gall)  Botrytis cinerea	(1), palm (2).
Diseases:  Bacterium tumefaciens (crown gall)  Botrytis cinerea	
Diseases:  Bacterium tumefaciens (crown gall)  Botrytis cinerea	$\operatorname{rood}(1)$ .
Botrytis cinerea	•
Botrytis cinerea	ea $(1)$ , rose $(1)$ . rangea sp. $(2)$ . lilac $(1)$ , rhododendron
Botrytis parasitica (Sclerotium tuliparum)  Botrytis sclerotia  Botrytis sp  Colletotrichum sp  Exobasidium sp  Fusarium sp  Glœosporium sp  Glowesporium sp  Glomerella cingulata  Gymnosporangium sp  Pestalozzia guepini  Pestalozzia sp  Phyllosticta sp  Phyllosticta sp  Pitya cupressa  Pitya cupressa  Pitya cupressa  Sphæropia hydrangeæ  Hydrs Sphæropia malorum  Sphærotheca sp. (powdery mildew)  Tubercularia vulgaris  Tubercularia sp  Verticillium buxi  Verticillium buxi  Volutella buxi  Boxw  HONDURAS  Insect:  Bruchus chinensis (Bruchidæ)  Bruchus sp. (Bruchidæ)  Doiicl  Bruchus sp. (Bruchidæ)  Doiicl  Bruchus sp. (Bruchidæ)	rangea sp. (2), lilac (1), rhododendron
Botrytis sclerotia Aucul droz  Botrytis sp. (sclerotia) Lilac Botrytis sp. (sclerotia) Hydra Colletotrichum sp. Pigeon Exobasidium sp. Cytisu Glœosporium sp. Cytisu Glœosporium sp. Boxwu Glomerella cingulata Aucul Gymnosporangium sp. ?(1). Pestalozzia guepini Azalet Pestalozzia sp. Rhodo Phoma sp. Labur Phyllosticta sp. Boxwu Pitya cupressa Junip Septoria hydrangeæ Hydra Sphærotheca sp. (powdery mildew) Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp. Wistau Volutella buxi Boxwu Volutella buxi Boxwu Volutella buxi Boxwu Volutella buxi Boxwu India.	Rosa sp. (2)
Botrytis sclerotia Aucul droz  Botrytis sp. (sclerotia) Lilac Botrytis sp. (sclerotia) Hydra Colletotrichum sp. Pigeon Exobasidium sp. Cytisu Glœosporium sp. Cytisu Glœosporium sp. Boxwu Glomerella cingulata Aucul Gymnosporangium sp. ?(1). Pestalozzia guepini Azalet Pestalozzia sp. Rhodo Phoma sp. Labur Phyllosticta sp. Boxwu Pitya cupressa Junip Septoria hydrangeæ Hydra Sphærotheca sp. (powdery mildew) Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp. Wistau Volutella buxi Boxwu Volutella buxi Boxwu Volutella buxi Boxwu Volutella buxi Boxwu India.	, Rosa sp. (2). issus (1), Narcissus bulbs (1).
Botrytis sp. (sclerotia) Lilac Botrytis sp. (sclerotia) Hydra Colletotrichum sp. Pigeoi Exobasidium sp. Azale: Exobasidium sp. Cytist Gloesporium sp. Cytist Gloesporium sp. Boxw. Glomerella cingulata Aucud Gymnosporangium sp. ?(1). Pestalozzia guepini Azale: Pestalozzia sp. Rhode Phoma sp. Rhode Phoma sp. Boxw. Pitya cupressa Junip Septoria hydrangeæ Hydra Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia vulgaris Lilac Tubercularia sp. Wistai Verticillium buxi Boxw. Volutella buxi Boxw.  Insect: Solenopsis parva (ant) Attale  India.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	the (1) Hardrenges (1) Phododon
Botrytis sp. (sclerotia) Lilac Botrytis sp. (sclerotia) Hydra Colletotrichum sp. Pigeoi Exobasidium sp. Azale: Exobasidium sp. Cytist Gloesporium sp. Cytist Gloesporium sp. Boxw. Glomerella cingulata Aucud Gymnosporangium sp. ?(1). Pestalozzia guepini Azale: Pestalozzia sp. Rhode Phoma sp. Rhode Phoma sp. Boxw. Pitya cupressa Junip Septoria hydrangeæ Hydra Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia vulgaris Lilac Tubercularia sp. Wistai Verticillium buxi Boxw. Volutella buxi Boxw.  Insect: Solenopsis parva (ant) Attale  India.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	iba (1), Hydrangea (1), Rhododen- on sp. (1), Syringa vulgaris (1).
Botrytis sp. (sclerotia) Hydra Colletotrichum sp Pigeon Exobasidium sp Pigeon Exobasidium sp Azalez Azalez Glœsporium sp Cytisu Glœsporium sp Boxw Glomerella cingulata Aucul Gymnosporangium sp Pestalozzia guepini Azalez Pestalozzia sp Rhode Phoma sp Rhode Phoma sp Rhydragez Junip Septoria hydrangeæ Junip Septoria hydrangeæ Hydra cupressa Junip Septoria hydrangeæ Hydra Sphæropsis malorum Malus Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose (Tubercularia vulgaris Lilac Tubercularia vulgaris Lilac Tubercularia sp Wista Verticillium buxi Boxw Volutella buxi Boxw Volutella buxi Boxw Tubercularia sp Boxw Sphærotheca Sphærospis parva (ant) Dolici Bruchus sp. (Bruchidæ) Dolici Dolici Bruchus sp. (Bruchidæ) Dolici	on sp. (1), Syringa vuigaris (1).
Colletotrichum sp Exobasidium sp Gloesporium sp Rhode Pestalozzia sp Phyllosticta sp Phyllosticta sp Pitya cupressa Boxw Pitya cupressa Junip Septoria hydrangeæ Sphæropsis malorum Sphæropsis malorum Malus Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Tubercularia vulgaris Tubercularia vulgaris Tubercularia sp Verticillium buxi Volutella buxi Boxw Volutella buxi Boxw  HONDURAS.  Insect: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Doicd Bruchus sp. (Bruchidæ) Doicd	(4) rose (5).
Colletotrichum sp Exobasidium sp Gloesporium sp Rhode Pestalozzia sp Phyllosticta sp Phyllosticta sp Pitya cupressa Boxw Pitya cupressa Junip Septoria hydrangeæ Sphæropsis malorum Sphæropsis malorum Malus Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Tubercularia vulgaris Tubercularia vulgaris Tubercularia sp Verticillium buxi Volutella buxi Boxw Volutella buxi Boxw  HONDURAS.  Insect: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Doicd Bruchus sp. (Bruchidæ) Doicd	angea (1).
Glæosporium sp. Gytist Glæosporium sp. Glomerella cingulata	rangea (1). on bean ("Duivenboon") (1). ea (14), evergreen shrubs (1).
Glæosporium sp. Gytist Glæosporium sp. Glomerella cingulata	ea (14), evergreen shrubs (1).
Glomerella cingulata	sus (1).
Glomerella cingulata	vood (2), holly (1).
Gymnosporangium sp ?(1). Pestalozzia guepini Azalet Pestalozzia sp Rhodo Phoma sp Labur Phyllosticta sp Boxwo Pitya cupressa Junip Septoria hydrangeæ Hydra Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp Wistau Verticillium buxi Boxwo Volutella buxi Boxwo Volutella buxi Boxwo  Insect: Solenopsis parva (ant) Attalet  India.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	tha. (1).
Pestalozzia sp Rhode Phoma sp Boxw Phyllosticta sp Boxw Pitya cupressa Junip Septoria hydrangeæ Hydre Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp Wistat Verticillium buxi Boxw Volutella buxi Boxw  HONDURAS.  Insect: Solenopsis parva (ant) Attale  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Dolicl Bruchus sp. (Bruchidæ) Dolicl	(1)
Pestalozzia sp Rhode Phoma sp Boxw Phyllosticta sp Boxw Pitya cupressa Junip Septoria hydrangeæ Hydre Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp Wistat Verticillium buxi Boxw Volutella buxi Boxw  HONDURAS.  Insect: Solenopsis parva (ant) Attale  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Dolicl Bruchus sp. (Bruchidæ) Dolicl	ea (2), Magnolia (1), rhododendron (8).
Phoma sp Labur Phyllosticta sp Boxwi Pitya cupressa Junip Septoria hydrangeæ Hydra Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose (Tubercularia vulgaris Lilac Tubercularia sp Wistam Verticillium buxi Boxwi Volutella buxi Honduras.  Insect:  Solenopsis parva (ant) Attale  India.  Insects:  Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	lodendron (6).
Phyllosticta sp. Pitya cupressa Junip Septoria hydrangeæ Hydre Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp Wistar Verticillium buxi Boxwe Volutella buxi Boxwe  HONDURAS.  Insect: Solenopsis parva (ant) Attale  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	lodendron (0).
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Septoria hydrangeæ Hydrangeæ Sphæropsis malorum Malus Sphærotheca sp. (powdery mildew) Rose (Tubercularia vulgaris Lilac Tubercularia sp Wistan Verticillium buxi Boxw Volutella buxi Honduras.  Insect: Solenopsis parva (ant) Attale  India.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	
Sphæropsis malorum Sphærotheca sp. (powdery mildew) Tubercularia vulgaris Tubercularia sp. Verticillium buxi Volutella buxi  HONDURAS.  Insect: Solenopsis parva (ant)  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Dolich Bruchus sp. (Bruchidæ) Dolich	perus (1).
Sphæropsis malorum Sphærotheca sp. (powdery mildew) Tubercularia vulgaris Tubercularia sp. Verticillium buxi Volutella buxi  HONDURAS.  Insect: Solenopsis parva (ant)  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Dolich Bruchus sp. (Bruchidæ) Dolich	rangea (1).
Sphærotheca sp. (powdery mildew) Rose ( Tubercularia vulgaris Lilac Tubercularia sp Wistan Verticillium buxi Boxw. Volutella buxi HONDURAS.  Insect: Solenopsis parva (ant) Attale  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	s sp. (1).
Tubercularia sp. Wistai Verticillium buxi Boxwe Volutella buxi Boxwe  HONDURAS.  Insect: Solenopsis parva (ant) Attale  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	(2).
Tubercularia sp. Wistai Verticillium buxi Boxwe Volutella buxi Boxwe  HONDURAS.  Insect: Solenopsis parva (ant) Attale  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Dolici Bruchus sp. (Bruchidæ) Dolici	(1).
Verticillium bûxi Volutella buxi  HONDURAS.  Insect: Solenopsis parva (ant)  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Dolici	ria (1).
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Insect: Solenopsis parva (ant) India.  Insects: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Dolici	rood (6)
Insect: Solenopsis parva (ant)  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Dolich	100a (0).
Insect: Solenopsis parva (ant)  INDIA.  Insects: Bruchus chinensis (Bruchidæ) Bruchus sp. (Bruchidæ) Dolich	🗱 - Turkin erika
Solenopsis parva (ant)	
INDIA.  Insects: Bruchus chinensis (Bruchidæ)	oo oohumo good (1)
INDIA.  Insects: Bruchus chinensis (Bruchidæ)	ea cohune seed (1).
Insects:  Bruchus chinensis (Bruchidæ)	Sign of the property of the control
Bruchus chinensis (Bruchidæ)	
Bruchus sp. (Bruchidæ)	how hidoway (1)
Bruchus sp. (Bruchidæ)	chos biflorus (1).
	hos lablab (1), English walnuts (1).
Calandra oryza (rice weevil) Bamb	busa tulda seed (1).
Enhestia cautella (fig moth) Englis	ish walnuts (1).
Enhestia an	Do.
Ephestia sp D Rhizopertha dominica (lesser grain borer) Holcu	us sorghum (1), Panicum miliaceum
1 - (1)	wheat (1)
Silvanus surinamensis (saw-toothed grain beetle)	marmelos (1)
onvanus surmamensis (saw-tootned gram beene)	morniotop (1).

Country of origin and name of pest.	Host.
INDIA—continued.	
Insects—Continued. Sternochetus mangiferæ (mango weevil) Tribolium confusum (confused flour beetle) Tribolium ferrugineum (Tenebrionidæ). Diseases:	Mango seeds (1). English walnuts (1). Holcus sorghum (1).
Caryospora putaminum Glœosporium mangiferæ	Buchanania latifolia seeds (1). Mango (3).
IRELAND. Disease:	
Uromyces caryophyllinus	Dianthus (Carnation plants) (1).
ITALY.	
Insects:  Aspidiotus hederæ (ivy scale).  Bruchus rufimanus (broad-bean weevil).  Bruchus sp. (Bruchidæ).  Prenolepis longicornis (ant).  Disease:	Horse beans (3). Horse beans (2). Cacti (1), grasses (1), palm (1).
Colletotrichum lindemuthianum	Horse beans (9).
JAMAICA.	
Insects: Diaspis boisduvalii (scale insect). Vinsonia stellifera (stellate scale).	Orchid (1). Orchid (1), ? (1).
JAPAN.	
Insects: Calandra oryza (rice weevil). Chrysomphalus ficus (Florida red scale). Cicada eggs. Hemichionaspis aspidistræ (aspidistra scale) Pseudaonidia duplex (scale insect). Pseudaonidia trilobitiformis (scale insect). Pyralid larva (dead). Thyridopteryx sp. (bagworm).	Persimmon (1). Aspidistra (3). Azalea (1) Camellia (3) Pyrus (1)
MAURITIUS.	
Disease: Melanconium sacchari	Saccharum officinarum (sugar cane) (1).
MEXICO.	
Insect: Tyroglyphus lintneri (mite)	Acrocomia sclerocarpa (palm seeds) (1).
NATAL, SOUTH AFRICA.	
Insect: Diaspis bromeliæ (scale insect)	Pineapple (1).
NEWFOUNDLAND.	
Insect: Orthezia cataphracta (scale insect)	Iris setosa (1).
NEW ZEALAND.	
Insects: Aspidiotus camelliæ (greedy scale)	
Aspidiotus hederæ (ivy scale)	Orchid (1).
Diseases: Cladosporium carpophilum. Colletotrichum glœosporioides.	Peach (1).

Country of origin and name of pest.	Host.
NICARAGUA.	
nsect: Stephanoderes sp. (Scolytidæ)	"Vine used as cure for paralysis" (1).
NORTHERN NIGERIA.	
nsect: Pseudococcus citri (citrus mealy bug)	Yam (1).
PANAMA.	
nsects: Chrysomphalus perseæ (scale insect) Diaspis boisduvalii (scale insect)	Do.
Lepidosaphes sp. (scale insect)	Agave (1).
PERU.	
visease: Colletotrichum sp	Canarios beans (1).
PHILIPPINE ISLANDS.	
nsect: Chrysomphalus aurantii (red scale of California)	Mabolo cuttings (1).
isease:	
Lasiodiplodia sp	Mangifera verticillata (1).
PORTUGAL.	
nsect: Aspidiotus hederæ (ivy scale)	Carob pods (1).
RUSSIA.	
nsect: Bruchus rufimanus (broad-bean weevil)iseases:	Horse bean (1).
Claviceps purpurea. Tilletia tritici. Ustilago sp.	Barley (1), rye (2), wheat (2). Wheat (1). Agropyron cristatum (1).
SCOTLAND.	
nsects: Aspidiotus hederæ (ivy scale) Chrysomphalus ficus (Florida red scale). Pseudococcus sp. (mealy bug)	Do.
SOCIETY ISLANDS.	e ya ya karanda ka ka
isease: Phyllachora coicis	Coix sp. (1).
SPAIN. Disease: Microsphæra quercina	Oak (1).
•	•
STRAITS SETTLEMENTS.	
Hemichionaspis minor (scale insect)	Ananas sativus Mauritius (1).
liseases: Diplodia sp	Garcinia mangostana (seeds) (1).
TURKS ISLANDS, BRITISH WEST INDIES.	
nsect: Coleophora sp. (Elachistidæ)	Cactus (1).
VENEZUELA.	
nsects: Bactrodes biannulatus (Reduviidæ) Diaspis boisduvalii (scale insect)	Orchid (1). Orchid (4).

# LIST, BY STATES, OF PESTS COLLECTED.

[The number in parentheses following name of country indicates the number of times reported.]

	State in which collected and name of pest.	Host.	Country of origin.
	CALIFORNIA.		
Inse	cts:		•
	Aleyrodes sp. (white fly)	Azalea	Belgium (3), Holland (1).
	Aspidiotus britannicus (scale insect)	Bay	Belgium (9).
	Aspidiotus camelliæ (greedy scale)	Areca baueri	New Zealand (1).
	<sup>1</sup> Do	Diosma sp	Do.
	Do	Drimys colorata	Do.
	$\overline{\mathrm{Do}}$	Pennantia corymbosa	$\overline{\mathbf{Do}}$ .
	$\widetilde{\mathrm{D}}_{\mathrm{0}}$	Veronica sps	Do.
	Aspidiotus hederæ (ivy scale)	Bay	Belgium (1).
	Do	Palm	New Zealand (1).
	Chionaspis sp (scale insect)	Orchid	Do.
	Charge and below four (Florida and goals)		
	Chrysomphalus ficus (Florida red scale)	Aspidistra	Japan (1).
	Cicada eggs	Persimmon	Do.
	Coccus hesperidum (soft brown scale)	Bay	Belgium (10).
	_ Do	Holly	
	Diaspis boisduvalii (scale insect)	Orchid	
	Hemichionaspis aspidistræ (aspidistra scale)	Aspidistra	Japan (2).
	Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Holland (28).
	Pseudaonidia duplex (scale insect)	Camellia	Japan (2).
	Do.	Pyrms	Japan (1).
	Pseudococcus sp. (mealy bug)	Pyrus. Orchid	Brazil (1).
	Davilia	?	New Zealand (1).
	Psyllid Saissetia oleæ (black scale)	Diosma sps	
	Saissetia olese (black scale)	Diosma sps	Do.
	Thrips	Azalea	Belgium (1).
	Thyridopteryx sp. (bagworm)	Dapnne	Japan (1).
	Do	<u> 7</u>	Do.
	Trioza alacris (Psyllidæ)	Bay	Belgium (1).
	CONNECTICUT.		
Inse		erikan serikan kan period di Araba dan di Ar	
TIBC	Aleyrodes sp. (white fly)	Azolos	Belgium (1).
	Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Holland (2).
	Mela comma noustria (Tagiccommidea) (commaga)	DOXWOOU	Holland (2).
n:	Malacosoma neustria (Lasiocampidæ) (egg mass)		Holland (1).
Dise	ases:	D 4 1	T 1 1 (1)
	Bacterium tumefaciens (crown gall)	Rose stocks	England (1).
	Exobasidium	Azalea	
	Do	Evergreen shrubs	Holland (1).
	Glomerella cingulata	Palm	Belgium (2).
	Pestalozzia guepini	Rhododendron	Holland (1).
Dian	DELAWARE.		
	Bacterium tumefaciens (crown gall)	Rose	Holland (1).
ľn~c	DISTRICT OF COLUMBIA.		
Inse	Alamadas en (mbito du)	A ==1==	D-1 (7)
	Aleyrodes sp. (white fly)	Azalea	Belgium (7).
*	Aphis tulipæ Archips sp. (Tortricidæ) (eggs)	ins nigricans	Holland (1).
	Archips sp. (Tortricidæ) (eggs)	Danish lilacs	Denmark (1).
	Do	Rhododendron	Holland (1).
	Aspidiotus camellize (greedy scale)	Anona cherimova	Guatemala (1).
	Do	Pear	New Zealand (1).
	Do	Persea azorica	Azores Islands (1).
	Aspidiotus hederæ (ivy scale)	Carob pods	Portugal (1).
		Jasmimum azoricum	Italy (1).
	Do	Palm	Belgium (1).
	Aspidiotus lataniæ (scale insect)	Avocado bud wood	
	Do	Persea sp	Do.
	Aspidiotus perniciosus (San Jose scale)		
		Peach	New Zealand (1).
	Aspidiotus subsimilis (scale insect)	Avocado	
	DoAspidiotus sp. (scale insect)	Persea americana	Do. Guatemala (2).
	a graduating grant (goods ingoot)	1 AVOCACA	I I÷natomolo (7)
	Do		

State in which collected and name of pest.	Host.	Country of origin.
DISTRICT OF COLUMBIA—continued.		
Insects—Continued.		
Aulacaspis rosæ (rose scale)	. Rosa pomifera	England (1).
Do	Rosa rubrifolia	Do. (1)
Balaninus sp. (Curculionidæ)	. "Fruta de pava" seeds	Costa Rica (1). France (1).
Bruchus chinensis (Bruchidæ)	Dolichos biflorus	India (1).
Do	Red beans	China (1).
Bruchus rufimanus (broad-bean weevil)	. Horse bean	Italy (3), Russia (1).
Bruchus sp. (Bruchidæ)	Dolichos lablab	India (1).
Do Do	English walnuts Horse bean	Do. Italy (2).
Bryobia pratensis (clover mite)	Laburnum	Holland (1).
Do	Malus	Do.
<u>D</u> o	Rosa pomifera	England (1).
Do	Rosa rubrifolia	Do.
Bryobia sp. (mite)	. Cytisus	Holland (1). Angola, Africa (1).
Do		India (1).
$\widetilde{\mathrm{Do}}$	Wheat	Japan (1).
Do	. Zea mays seed	Guatemala (1).
Cardiastethus elegans (Anthocoridæ)	Cotton seed	Haiti (1).
Caulophilus latinasus (Curculionidæ) Ceroplastes sp. (scale insect)	Avocado seeds	Cuba (1). Guatemala (1).
Chrysomphalus aurantii (red scale of California)	Mabolo cuttings	Philippine Islands (1).
Chrysomphalus dictyospermi (scale insect)	. Persea americana	Guatemala (1).
Chrysomphalus ficus (Florida red scale)	. Terminalia arjuna	Egypt (1).
Chrysomphalus personatus (masked scale)		Guatemala (2).
Chrysomphalus scutiformis (scale insect) Chrysomphalus sp. (scale insect)	. Avocado	Guatemala (1). Cuba (1).
Coccinæ		Guatemala (1).
Do	. Persea americana	Do.
Coccotrypes sp. (Scolytidæ)	Pacaya palm	Do.
Coccus hesperidum (soft brown scale)	Mangosteen fruits	Dominica, B. W. I. (1).
Coleophora sp. (Elachistidæ) Conotrachelus n. sp. (Curculionidæ)	Cactus	Turks Islands, B. W. I. (1). Guatemala (1).
Diaspis boisduvalii (scale insect)	Palm	Ecuador (1).
Do	. Persea americana	Guatemala (1).
Diaspis bromeliæ (scale insect)	Pineapple	Natal, South Africa (1).
Diaspis carueli (juniper scale)	Juniperus cedrus, Palm var	Canary Islands (1).
Diaspis sp. (scale insect)		Guatemala (2). Haiti (1).
Ephestia cautella (fig moth)	English walnuts	India (1).
Ephestia sp	. do	Do.
Eriococcus sp. (scale insect)	Diospyros	China (1).
Fiorinia fioriniæ (scale insect)	MangoLilac	Hawaii (1).
Hemichionaspis aspidistræ (aspidistra scale)	Royal palm	Holland (1). Cuba (1).
Hemichionaspis aspidistræ (aspidistra scale) Hemichionaspis minor (scale insect)	Pineapple	Straits Settlements (1).
Do	. Roystonea regia, seeds of	Cuba (1).
Hermetia illucens (Stratiomyidæ)	Avocado seeds	
Howardia biclavis (mining scale) Do		Bermuda (1). Hawaii (1).
Lecanium bituberculatum (scale insect)	Malus.	Holland (1).
Lepidosaphes beckii (purple scale)	. Ichang lemon	China (1).
Lepidosaphes mimosarum (scale insect)	. Anona cherimoya	Guatemala (1).
Lepidosaphes ulmi (oyster-shell scale)	Apple wood, piece of, in one of the cases.	Denmark (1).
Do		Holland (8).
Do	Malus	Holland (1).
Lepidosaphes sp. (scale insect)	. Diospyros	China (1).
Liopus sp. ((erambycidæ)	Brazil nut	Brazil (1).
Mordellistena n. sp. (Mordellidæ) Notolophus antiqua (European tussock moth)	Nephrolepis sp	
		Holland (2).
(eggs). Do	Lilac	Holland (1).

State in which collected and name of pest.	Host.	Country of origin.
DISTRICT OF COLUMBIA—continued.		
되는 이번 사람들은 어떻게 하려면 되는 밤다면		
nsects—Continued.	Tuin materia	No-foundlend (1)
Orthezia cataphracta (scale insect)	Iris setosa	Newfoundland (1). China (1).
Periplaneta australasiæ (Australian roach)	Avocado seed	Guatemala (1).
Pheidole anastasii var. cellarum (ant)	?	Do.
Ponera trigona (ant)	Palm seeds	Ecuador (1).
Porthesia similis (Arctiidæ)	. Lilac	Holland (1).
Pseudaonidia trilobitiformis (scale insect)	Citrus cuttings	Japan (1).
Pseudococcus bromeliæ (pineapple mealy bug	). Pineapple	Australia (2).
Pseudococcus citri (citrus mealy bug)		Dominican Republic (1).
Pseudococcus sp. (mealy bug)	Yam	Northern Nigeria (1).
Do	Bunchosia sp. Chayota edulis.	
Pseudoparlatoria ostreata (scale insect)		Guatemala (1).
Pycnoscelus surinamensis (Blattidæ)	. Ananas sativus Mauritius	Straits Settlements (1).
Pyralid larva	Carica papaya	
Do		
Do	Rice plant	China (1).
Rhizoglyphus hyacinthi (bulb mite)	Avocado seeds	Cuba (1).
Rhizopertha dominica (lesser grain borer)	Holcus sorghum	India (1).
<u>D</u> o		1 22 7 7
Do		Do.
Saissetia hemisphærica (hemispherical scale).	Palm	Belgium (1).
Saissetia oleæ (black scale)	Chayota edulis	Brazil (1).
Do	?	Guatemala (1). China (1).
Silvanus advena (Cucujidæ)	Licania platypus	Colombia (1).
Silvanus surinamensis (saw-toothed grain beetle	Egle marmelos	India (1).
Sitodrepa panicea (Anobidiæ)	Genista retama	Egypt (1).
Sitotroga cerealella (Angoumois grain moth)	Maiz cuarenton	Argentina (1).
Skalistes vidua (Forficulidæ)	. Avocado seed	Guatemala (1).
Solenopsis parva (ant)	. Attalea cohune seed	
Stephanoderes sp. (Scolytidæ)		Cuba (1).
Do	(seed).	N: (1)
D0	. "Vine used as cure for paraly-	Nicaragua (1).
Sternochetus mangiferæ (mango weevil)		India (1).
Targionia sacchari (scale insect)	. Saccharum	Cuba (1).
Tetramorium simillimum (ant)	. Ananas sativus	Straits Settlements (1).
Thrips	. Azalea	Belgium (2).
Tribolium confusum (confused flour beetle)	English walnuts	India (1).
Tribolium ferrugineum (Tenebrionidæ)	Holcus sorghum	Do.
Tyroglyphus cocciphilus (mite)	. Yunnan pear	China (1).
Tyroglyphus lintneri (mite)	. Acrocomia sclerocarpa (palm	Mexico (1).
Transfermberg on (mita)	seeds).	Colombia (1)
Tyroglyphus sp. (mite)Uropoda sp. (mite)	Polm soods	Colombia (1). Ecuador (1).
Wasmannia auropunctata (ant)	Nephrolepis sp.	Guatemala (1).
iseases:	1 2, opinioropio sp	Camboniana (1).
Botrytis cinerea	. Hydrangea	Holland (2).
Do		Holland (1).
<u>D</u> o		Do.
D <sub>0</sub>		Holland (2).
Botrytis parasitica (Sclerotium tuliparum)	Narcissus	Holland (1).
DoBotrytis sclerotia	Narcissus bulbs	Do. Do.
Do		Do.
Do		Do.
Do		Do.
Botrytis sp	Canna	France (1).
Do	. Lilac	Holland (2).
Do		Holland (5).
	. Chayota edulis	

State in which collected and name of pest.	Host.	Country of origin.
DISTRICT OF COLUMBIA—continued.		\(\frac{1}{2}\)
iseases—Continued.		•
Botrytis sp	Syringa vulgaris	Holland (1).
Do	Syringa sp.	Do.
Botrytis sp. (sclerotia)	Hydrangea	D <sub>0</sub> .
Caryospora putaminum	Buchanania latifolia seeds	India (1).
Cercospora sp	Phytelephas (sprouted palm seed).	Ecuador (1).
Cladosporium carpophilum	Peach	New Zealand (1).
Claviceps purpurea	Barley	Russia (1).
Do	Rye	Russia (2).
Do	Wheat.	$\mathbf{D_0}$ .
Colletotrichum glœosporioides	Citrus (grapefruit fruits)	Dutch Guiana (1).
Do	Citrus (best seedless orange)	New Zealand (1).
Do	Persea americana	Guatemala (1). Cuba (1), Guatemala (1).
100	seed).	ouba (1), Guatemaia (1).
Do	Persea sp	Guatemala (1).
Do	Persea (avocado)	Cuba (1).
<u>D</u> o	Persea (avocado budwood)	Guatemala (1).
, Do	Chayota edulis	Dominican Republic (2).
Colletotrichum lindemuthianum	Horse bean	Italy (9).
Colletotrichum sp	Canarios beans	Peru (1). Holland (1).
Coniothyrium sp.	Pyrus communis	Canada (3).
Diplodia perseana	Persea sp.	Guatemala (1).
Diplodia sp	Garcinia mangostana (seeds)	Straits Settlements (1).
Do	Persea gratissima (avocado seed).	Cuba (1).
Do	Persea (avocado)	Chile (1).
Do	Chayota edulis	British West Indies (1).
Do	do	Brazil (1).
Do	Citrus (man afmit fusita)	Dominican Republic (3).
Exanthema Exobasidium sp	Citrus (grapefruit fruits)	Dutch Guiana (1). Belgium (11), Holland (3).
Fusarium sp	Cytisus	Holland (1).
Do	Maranta sp	Costa Rica (1).
Do	Persea sp	Guatemala (1).
Do	Chayota edulis	Dominican Republic (1).
Glœosporium clausenæ	Clausena wampi (seeds)	Hawaii (1).
Gleeosporium mangiferæ	Mango	India (3).
Glœosporium sp	Boxwood	Holland (2). Holland (1).
Glomerella cingulata.	Aucuba	Do.
Heterodera radicicola (nematode)	Rosa	Australia (1).
Lasiodiplodia sp	Dumoria heckeli (seed)	Gold Coast, Africa (1).
Do	Garcinia mangostana (Mango-	Ceylon (1).
	steens).	<b>A.</b> (a)
Do	Litchi chinensis	China (2).
Do	Mangifera verticillataAtriplex semibaccata	Philippine Islands (1). Australia (1).
Macrosporium sp	Saccharum officinarum (sugar	Australia (1). Australia (1), Mauritius (1).
metancontum sacchair.	cane).	nusurana (1), maninus (1).
Microsphæra quercina	Oak.	Spain (1).
Oospora scabies (common scab)	Irish potato	Canada (1).
Pestalozzia guepini	Azalea	Belgium (4), Holland (2).
Do	Rhododendron	Belgium (1), Holland (5).
Pestalozzia sp	Achradelpha viridis	Guatemala (1).
Do Phoma sp.	Atriplex nummularia	Holland (1). Australia (1).
Do	Dormilona amarilla	Costa Rica (1).
Do	Laburnum	Holland (1).
Do	Schinopsis lorentzi	Argentina (1).
TOT 11 1	Coix sp	Society Islands (1).
Phyllachora coicis	Azalea	Belgium (1).

State in which collected and name of pest.	Host.	Country of origin.
DISTRICT OF COLUMBIA—continued.		
Diseases—Continued. Sclerotium sp	Cynodon dactylon Boxwood	Denmark (1) Holland (1). Ireland (1). Russia (1).
FLORIDA.		
Insects: Aleyrodes sp. (white fly)	Royal palm	Do.
Cercospora sp	Tetrastigma harmandi	Do.
GEORGIA.  Insects: Aspidiotus britannicus (scale insect) Notolophus antiqua (European tussock moth) (egg masses). Porthesia similis (Arctiidæ)	BayRosedo	Belgium (3). Holland (4). Holland (1).
ILLINOIS.		
Insects: Aspidiotus britannicus (scale insect)	Azalea	Belgium (1). Do. Do. Do. Do.
INDIANA.		
Insects: Aspidiotus hederæ (ivy scale)	Palm	Belgium (2), Holland (5). England (1). Holland (1). Belgium (1). Holland (1).
Pseudococcus pseudonipæ (mealy bug) Diseases: Exobasidium sp		Belgium (1), Holland (4).  Belgium (39), Holland (1).
Frankia alni Pestalozzia guepini Do Pestalozzia sp Sphæropsis malorum	Elæagnus sp. (on roots)	France (1). France (1). Holland (1). Holland (2). Do. Holland (1).
	mates of	TIOHAIIU (1).
Insects: Aleyrodes sp. (white fly) Notolophus antiqua (European tussock moth)	Azalea Hydrangea	Belgium (2), Holland (1). Holland (1).
(egg cluster).	k., 1993. 1 10.1 (20., 10.2 1) a 2 1 2 2 2 2 2 .	The state of the s
Do	Prunus pissardi	Do. Holland (3).

State in which collected and name of pest.	Host.	Country of origin.
KANSAS.		V 1.
nsects: Aleyrodes an (white fly)	Azalea	Holland (1).
Aleyrodes sp. (white fly)	Boxwood	Do.
KENTUCKY.		
nsects:	Pov	Polgium (9) Holland (1)
Coccus hesperidum (soft brown scale) Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Belgium (2), Holland (1). Holland (5).
)isease:		
Exobasidium sp	Azalea	Belgium (2).
LOUISIANA.		
nsect:	Bay	7
Coccus hesperidum (soft brown scale)	Bay	Belgium (1).
MARYLAND.		
nsects:		T. 1. (2)
Aleyrodes sp. (white fly)	Azalea Rhododendron	Belgium (2).   Holland (1).
Chrysons sp. (Chrysonidae)		Do.
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Do.
Thrips	. Azalea	Belgium (1).
Diseases: Exobasidium sp	do	Belgium (3), Holland (1).
Sentoria hydrangeæ	Hvdrangea	Holland (1).
Sphaerotheca sp. (powdery mildew)	Rose	Holland (2).
MASSACHUSETTS.		,
nsects:	36 31	True Lab
Acarina eggs	Magnolia	Holland (1). Holland (3).
Aphodius fimetarius (Scarabaeidæ)	Rhododendron	Holland (1).
Aspidiotus hederæ (ivv scale)	.   Palm	Belgium (6), Holland (1).
Chrysomphalus ficus (Florida red scale) Elaterid (wireworm)	do	Belgium (1). Holland (1).
Gracilaria zachrysa (leaf miner)	Azalea	Belgium (58).
Lecanium sp. (scale insect)	Ilex	France (1).
DoLepidosaphes ulmi (oyster-shell scale)	Thuja Boxwood	Holland (1). Holland (6).
Do	Rhododendron	Holland (1).
Miridæ		Do.
Noctuid larva	do	Belgium (1). Holland (1).
(egg mass).		
Do		Holland (4).
Peronea schalleriana (Tortricid)	Azalea Holly	
Pontia rapæ (imported cabbage worm) (pupa)	Azalea	Do.
Psychidæ		Do.
Diseases: Exobasidium sp	. Azalea	Belgium (32), Holland (1).
Phytophthora infestans	Irish potato	Canada (1).
Pitya cupressa	Juniperus	Holland (1).
MISSOURI.		
nsects:		T 11 1 (1)
Aleyrodes sp. (white fly)	Azalea	Holland (1). Belgium (1).
Do	Rhododendron	Do.
Aspidiotus hederse (ivy scale)	Palm	Belgium (1), Holland (1),
Chrysomphalus ficus (Florida red scale) Hemichionaspis aspidistræ (aspidistra scale).	do	Do. Belgium (2), Holland (1).
	ASUIUISII &	Deigium (4), Homana (1),

State in which collected and name of pest.	Host.	Country of origin.
NEW HAMPSHIRE.		
Disease: Bacterium tumefaciens (crown gall)	Rose stocks	England (1).
NEW JERSEY.	4.4.4	
Insects:		
Aspidiotus britannicus (scale insect)	Bay	Belgium (1).
Aspidiotus hederse (ivy`scale) Do	Palm	England (1). Belgium (12), England (4)
<i>D</i> 0	Laim.	France (2), Holland (2)
		Costland (1)
Blaberus sp. (roach)	Orchid	Colombia (1).
	i.	France (1)
Chrysomphalus ficus (Florida red scale)	do	France (1), Scotland (1),
Chrysomphalus perseæ (scale insect)	Orchid	Colombia (3), Guatemala (1).
Coccus hesperidum (soft brown scale) Diaspis boisduvalii (scale insect)	Bay Orchid	Belgium (2), Holland (1). Colombia (1).
Gracilaria zachrysa (leaf miner)	Azalea	Belgium (10), Holland (2).
Hemichionaspis aspidistræ (aspidistra scale)	Aspidistra	Belgium (7), Holland (2)
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Japan (1). Holland (12).
Parallelodiplosis cattleyæ (Cattleya midge)	Orchid	Guatemala (1).
Phytomyza aquifolii (Dipterous leaf miner)	Holly	Holland (2).
Pseudococcus sp. (mealy bug)	Bay Orchid	Belgium (1), Holland (1).
Do		Guatemala (1). England (1) France (1) Hol
		land (2), Scotland (1).
Tenthecoris bicolor (Miridae)	Orchid	Colombia (1).
Diseases: Exobasidium sp	Azalea	Belgium (10).
Sclerotinia fructigens.	Peach trees.	England (1).
NEW YORK CITY (FEDERAL INSPECTION).		
Insects:		
Asterolecanium aureum (scale insect)	Orchid	Canal Zone (1).
Asterolecanium aureum (scale insect)	do	Venezuela (1).
Blattella sp. (roach). Cerataphis lataniæ (palm aphis)	do	Colombia (1).
Do	Palm	Brazil (1). British Guiana (1).
Chrysomphalus dictyospermi (scale insect)	Cocoanut nalm	Rahama Islanda (1)
Do	Palm	British Guiana (1).
Chrysomphalus ficus (Florida red scale)	Coconut palm	Bahama Islands (1).
Chrysomphalus personatus (masked scale)	dodo	Canal Zone (2), Panama (1). Colombia (1).
Conchaspis angræci (scale insect)	[	Canal Zone (1).
Cyphomyrmex salvini Forel, new var. (ant)	do	Colombia (1).
Diaspis boisduvalii (scale insect)	ao	Colombia (5), Costa Rica (1) Jamaica (1), Panama (1)
	e voi	Vonozuolo (4)
Diaspis boisduvalii (scale insect)	Palm	Cuba (1).
Eurycipidia splendens (Miridæ)	Orchid	Colombia (3).
Hemichionaspis minor (scale insect)	Hibiscus cuttings	Costa Rica (1).
Homœogamia brasiliana (roach)	Orchid	Brazil (1).
Iridomyrmex iniquus Mayr., var. nigellus Emery (ant).	· ·	Colombia (1).
(ant). Lepidosaphes sp. (scale insect)	Agave	Panama (1).
1/0	Uroton.	Cuba (1).
Mecistorhinus melanoleucus (Pentatomidae)	Orchid	Colombia (1).
Megalomyrmex n. sp. (ant)	do	Brazil (1).
ah amimuma (amt)		* /
Parlatoria proteus (scale insect) Periplaneta sp. (roach)	Palm leaves	Brazil (1).
Th	Orohid	Drovil (0) Colombia (0)

State in which collected and name of pest.	Host.	Country of origin.
NEW YORK CITY (FEDERAL INSPECTION)—contd.		
sects—Continued.		
Pheidole megacephala (ant)	Pineapple plants	Cuba (1).
Plœariola sp. (Emesidæ)		Colombia (1).
Prenolepis longicornis (ant)	Cacti	Italy (1).
Do		Do.
Do	Orchid.	Brazil (1), Colombia (3).
Do	Palm	Italy (1).
Prenolepis sp. (ant)		Colombia (1).
Pseudococcus adonidum (long-tailed mealy bug).	do	Brazil (1).
Pseudococcus bromeliæ (pineapple mealy bug).	Pineannle	Cuba (1).
Pseudococcus sp. (mealy bug)	Orchid	Colombia (1).
Pseudoparlatoria parlatorioides (scale insect)	do	Brazil (1).
Pyralidæ, subfamily Phycitinæ	do	Colombia (1).
Silvanus signatus (Cucujidæ)	do	Do.
On valus signatus (Cucujate)	J	Colombia (9)
Tenthecoris bicolor (Miridæ) Vinsonia stellifera (stellate scale)	do	Colombia (2).
y msoma stemera (stemate scale)	ao	Jamaica (1).
Do	0-12	Do.
Wasmannia auropunctata (ant)	Orenia	Colombia (7).
sease:		017(3)
Colletotrichum glœosporioides	do	Canal Zone (1).
NORTH CAROLINA.		
sects:		
Aspidiotus britannicus (scale insect)	Bay	Belgium (1).
Coccus hesperidum (soft brown scale)	do	Do.
Lepidosaphes ulmi (Oyster-shell scale)	Evergreen seedlings	Holland (1).
Tortricid egg mass	Azalea	Belgium (1).
sease:		
Bacterium tumefaciens (crown gall)	do	Belgium (1), Holland (1).
оніо.		
sects:		
Apatela auricoma (dagger moth) (pupa)	Birch	France (1).
Do	Manetti stocks	Do.
Aulacaspis rosæ (rose scale)	do	Do.
Chrysomphalus dictyospermi (scale insect)	Palm	Belgium (1).
Chrysomphalus ficus (Florida red scale)	do	Belgium (2).
Coccus hesperidum (soft brown scale)	Bay	Holland (1).
Lepidosaphes ulmi (oyster-shell scale)	?	Do.
Porthetria dispar (gipsy moth) (egg cluster)	?	Belgium (1).
seases:		
Bacterium tumefaciens (crown gall)	Manetti stocks	France (1).
Botrytis sp	Yucca sp	France (2).
Exobasidium sp	Azalea	Belgium (17), Holland (2).
Do		Belgium (1).
Do		Do.
OREGON.		
sect:		
Elaterid (wireworm)	Azalea	Holland (2).
PENNSYLVANIA.		
sects:		==,
Aleyrodes sp. (white fly)	Azalea	Belgium (5).
Do		England (1).
Aspidiotus britannicus (scale insect)	Bay	
	Coconut palm	
Aspidiotus destructor (scale insect)	Pulling Pulling	Belgium (2).
Aspidiotus destructor (scale insect)	Agnidistra	
Aspidiotus destructor (scale insect)	Aspidistra	
Aspidiotus destructor (scale insect)	Bav	Do.
Aspidiotus destructor (scale insect)	BayRose.	Do. Holland (1).

State in which collected and name of pest.	Host, e	Country of origin.
PENNSYLVANIA—continued.		
Insects—Continued.		
Monarthropalpus buxi (box leaf miner)  Notolophus antiqua (European tussock moth) (egg mass).	Evergreen shrubs Cratægus	Holland (1). Do.
Psylla buxi (box psylla) (eggs)	BoxwoodAzalea	Do. Belgium (1).
Diseases: Exobasidium sp. Gymnosporangium sp. Pestalozzia sp.		frank i de farancia de la companya
Pestalozzia sp	Rhododendron	Do.
WASHINGTON (STATE).		
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Holland (1). Japan (1). Do.
Disease: Exobasidium sp	Azalea	
WEST VIRGINIA.		
Insect: Chionaspis salicis (willow scale) Disease:	Lilac	Belgium (1).
Exobasidium sp	Azalea	Do.
wisconsin. Insects:		
Gracilaria zachrysa (leaf miner)	do	Do.
(egg masses), Disease: Pestalozzia sp.	Rhododendron	Holland (2).